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SYNGENTA LTD

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(54) METHOD FOR EASILY DISCRIMINATING PRESENCE OR ABSENCE OF FERTILITY RESTORATIVE GENE FOR RICE BT-TYPE MALE STERILE CYTOPLASM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for estimating seed purity by bulk method in detecting the presence/absence of the fertility restorative gene( Rf-1 gene ) for the BT-type male sterile cytoplasm utilized in growing hybrid rice.

SOLUTION: The method for discriminating the presence/absence of the Rf-1 gene involves developing a marker specific to the Rf-1 gene and another marker specific to a rf-1 gene by focusing on a base sequence close to the Rf-1 locus, in view of the fact that the BT-type male sterile cytoplasm and the Rf-1 gene therefor have been utilized in growing hybrid rice.

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**METHOD FOR EASILY DISCRIMINATING PRESENCE OR ABSENCE OF FERTILITY RESTORATIVE GENE FOR RICE  
BT-TYPE MALE STERILE CYTOPLASM****Publication number:** JP2004024126**Publication date:** 2004-01-29**Inventor:** KOMORI TOSHIYUKI**Applicant:** JAPAN TOBACCO INC; SYNGENTA LTD**Classification:****- international:** A01H1/00; C12N15/09; C12Q1/68; A01H1/00; C12N15/09; C12Q1/68; (IPC1-7): C12N15/09; A01H1/00; C12Q1/68**- European:****Application number:** JP20020185993 20020626**Priority number(s):** JP20020185993 20020626**Report a data error here****Abstract of JP2004024126**

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